

Occupational Projections for Southeast Wisconsin Workforce Development Area, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
00-0000	Total, All Occupations	167,510	171,010	3,500	2.09%	1,750	4,340	6,090		\$32,213	\$8.89 - 19.06
11-0000	Management Occupations	6,300	6,470	170	2.70%	90	110	200		\$75,416	\$22 - 44.63
11-1011	Chief Executives	240	250	10	4.17%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$150,177	\$48.73 -
11-1021	General/Operations Mgrs	1,760	1,800	40	2.27%	20	30	50	Bachelor's or higher degree, plus work exp.	\$89,401	\$24.58 - 55.03
11-1031	Legislators	330	330	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$17,040	\$6.1 - 7.09
11-2011	Advertising/Promotions Mgrs	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$58,371	\$17.78 - 36.32
11-2021	Marketing Mgrs	100	100	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$77,644	\$28.24 - 45.86
11-2022	Sales Mgrs	270	280	10	3.70%	10	10	20	Bachelor's or higher degree, plus work exp.	\$83,484	\$24.54 - 47.52
11-2031	Public Relations Mgrs	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$58,870	\$20.11 - 32.75
11-3011	Admin Services Mgrs	190	190	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$63,744	\$19.73 - 38.7
11-3021	Computer/Info Systems Mgrs	170	180	10	5.88%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$80,010	\$29.37 - 44.48
11-3031	Financial Mgrs	350	360	10	2.86%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$80,608	\$27.98 - 47.43
11-3040	Human Resources Mgrs	140	150	10	7.14%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$67,713	\$23.64 - 38.15
11-3051	Industrial Production Mgrs	350	370	20	5.71%	10	10	20	Bachelor's degree	\$77,249	\$27.42 - 43.8
11-3061	Purchasing Mgrs	110	110	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$65,612	\$21.98 - 39.08
11-3071	Trans/Storage/Dist Mgrs	60	70	10	16.67%	<5	<5	<5	Work experience in a related occupation	\$63,128	\$23.1 - 36.99
11-9011	Farm/Ranch/Other Ag Mgrs	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
11-9021	Const Mgrs	130	140	10	7.69%	<5	<5	<5	Bachelor's degree	\$72,943	\$24.55 - 45.52
11-9031	Ed Administrators, Preschool & Child Care	110	120	10	9.09%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$45,292	\$11.15 - 29.73
11-9032	Ed Admin, Elem. & Secondary School	250	250	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$77,867	
11-9033	Education Administrators, Postsecondary	190	190	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$63,051	\$21.58 - 36.67
11-9039	Education Administrators, All Other	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
11-9041	Engineering Mgrs	220	230	10	4.55%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$92,698	\$34.23 - 48.72
11-9051	Food Service Mgrs	310	320	10	3.23%	10	10	20	Work experience in a related occupation	\$39,798	\$15.36 - 22.43
11-9061	Funeral Directors	50	40	-10	-20.00%	<5	<5	<5	Associate degree	\$62,712	\$20.04 - 41.75
11-9071	Gaming Mgrs	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
11-9081	Lodging Mgrs	70	70	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$43,193	\$14.05 - 26.58
11-9111	Medical/Health Services Mgrs	230	240	10	4.35%	10	<5	10	Bachelor's or higher degree, plus work exp.	\$72,275	\$23.61 - 36.04
11-9121	Natural Sciences Mgrs	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
11-9131	Postmasters/Mail Superintendents	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$52,311	\$21.67 - 29.06
11-9141	Prop/RE/Community Assoc Mgrs	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$97,534	\$14.34 -
11-9151	Social/Community Service Mgrs	140	140	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,476	\$15.33 - 24.7
11-9199	Mgrs All Other	260	270	10	3.85%	10	10	20	Work experience in a related occupation	\$70,079	\$25.87 - 41.07
13-0000	Business/Financial Operations Occupations	4,140	4,280	140	3.38%	70	70	140		\$49,612	\$15.94 - 28.05
13-1011	Agents/Bus Mgrs Artsts/Prfrmrs/Ath	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
13-1021	Purch Agents/Buyers Farm Prod	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$43,809	\$17.45 - 22.91
13-1022	Whole/Retail Buyers Ex Farm Prod	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,310	\$12.09 - 24.21

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13-1023	Purch Agents Ex Whole/Retail/Farm	350	350	0	0.00%	<5	10	10	Bachelor's degree	\$45,102	\$16.69 - 25.44
13-1031	Claims Adjust/Exam/Investigators	100	100	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$42,877	\$18 - 21.76
13-1032	Insurance Appraisers Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
13-1041	Compl Offcrs Ex Ag/Cnst/Hlth/Sfty/Tr	100	110	10	10.00%	<5	<5	<5	Long-term on-the-job training	\$73,336	\$17.92 - 50.85
13-1051	Cost Estimators	260	270	10	3.85%	<5	10	10	Bachelor's degree	\$43,589	\$16.14 - 25.41
13-1061	Emergency Mgmt Specialists	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
13-1071	Empl/Recruit/Placement Specialists	190	190	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,007	\$13.67 - 23.37
13-1072	Compen/Benefits/Job Specialists	80	90	10	12.50%	<5	<5	<5	Bachelor's degree	\$42,288	\$15.79 - 23.6
13-1073	Training/Development Specialists	160	170	10	6.25%	<5	<5	<5	Bachelor's degree	\$39,593	\$13.27 - 23.69
13-1111	Management Analysts	210	220	10	4.76%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$103,969	\$23.07 -
13-1121	Meeting/Convention Planners	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,125	\$13.72 - 21.87
13-1199	Business Oper Specialists/All Other	820	860	40	4.88%	20	10	30	Bachelor's degree	\$42,172	\$7.38 - 27.81
13-2011	Accountants/Auditors	960	990	30	3.13%	10	20	30	Bachelor's degree	\$52,353	\$18.98 - 29.23
13-2021	Appraisers/Assessors Real Estate	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$47,277	\$19.69 - 26.27
13-2031	Budget Analysts	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,714	\$20.55 - 31.2
13-2041	Credit Analysts	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$52,713	\$17.58 - 32.66
13-2051	Financial Analysts	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$60,092	\$19.67 - 37.83
13-2052	Personal Financial Advisors	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$101,509	\$19.25 -
13-2053	Insurance Underwriters	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
13-2071	Loan Counselors	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$47,512	\$14.13 - 31.34
13-2072	Loan Officers	260	270	10	3.85%	10	<5	10	Bachelor's degree	\$41,604	\$13.35 - 23.36
13-2081	Tax Exam/Collctrs/Revenue Agents	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$51,625	\$20.24 - 27.85
13-2082	Tax Preparers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
13-2099	Financial Specialists/All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,726	\$16.55 - 25.46
15-0000	Computer & Mathematical Occupations	1,670	1,740	70	4.19%	40	20	60		\$55,925	\$17.78 - 30.89
15-1011	Computer/Info Scientists/Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
15-1021	Computer Programmers	250	250	0	0.00%	<5	10	10	Bachelor's degree	\$52,865	\$18.26 - 29.8
15-1031	Computer Software Engnrs Apps	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
15-1032	Computer Soft Engnrs Systms Soft	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$73,437	\$27.73 - 41.26
15-1041	Computer Support Specialists	340	350	10	2.94%	10	<5	10	Associate degree	\$40,472	\$15.49 - 22.11
15-1051	Computer Systems Analysts	400	420	20	5.00%	10	<5	10	Bachelor's degree	\$73,851	\$20.71 - 34.82
15-1061	Database Administrators	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,016	\$18.11 - 33.38
15-1071	Network/Computer Systems Admin	190	200	10	5.26%	<5	<5	<5	Bachelor's degree	\$49,814	\$19.04 - 27.45
15-1081	Network Systms/Data Comm Analysts	100	110	10	10.00%	<5	<5	<5	Bachelor's degree	\$62,408	\$17.5 - 34.02
15-1099	Computer Specialists/All Other	90	90	0	0.00%	<5	<5	<5	Associate degree	\$38,710	\$13.19 - 21.97
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*

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15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Master's degree	*	*
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	*	*
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	*
17-0000	Architecture/Engineering Occupations	2,670	2,710	40	1.50%	20	60	80		\$54,519	\$19.36 - 32.12
17-1011	Architects/Ex Landscape/Naval	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$68,309	\$24.71 - 37.98
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-1021	Cartographers/Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-1022	Surveyors	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,437	\$16.05 - 20.89
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2021	Ag Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2051	Civil Engineers	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$63,065	\$23.33 - 32.6
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2071	Electrical Engineers	200	200	0	0.00%	<5	<5	<5	Bachelor's degree	\$63,991	\$24.92 - 33.69
17-2072	Electronics Engineers/Ex Computer	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$62,750	\$24.24 - 35.11
17-2081	Environmental Engineers	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$58,963	\$21.64 - 36.27
17-2111	Health/Safety Engineers/Ex Mining	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$49,936	\$20.41 - 26.37
17-2112	Industrial Engineers	300	310	10	3.33%	10	10	20	Bachelor's degree	\$59,381	\$22.74 - 34.16
17-2131	Materials Engineers	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$62,625	\$25.81 - 35.06
17-2141	Mechanical Engineers	490	500	10	2.04%	10	10	20	Bachelor's degree	\$62,846	\$24.7 - 35.4
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2199	Engineers/All Other*	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$66,608	\$26.86 - 37.73
17-3011	Architectural/Civil Drafters	70	80	10	14.29%	<5	<5	<5	Postsecondary vocational training	\$35,439	\$14.89 - 20.06
17-3012	Electrical/Electronics Drafters	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$37,021	\$14.67 - 20.87
17-3013	Mechanical Drafters	220	220	0	0.00%	<5	10	10	Postsecondary vocational training	\$43,833	\$16.68 - 24.77
17-3021	Aerospace Engrng/Oper Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
17-3022	Civil Engineering Techs	90	90	0	0.00%	<5	<5	<5	Associate degree	\$38,966	\$16.38 - 21.09
17-3023	Electrical/Electronic Engrng Techs	200	200	0	0.00%	<5	<5	<5	Associate degree	\$41,681	\$15.35 - 23.58
17-3024	Electro-Mechanical Techs	50	50	0	0.00%	<5	<5	<5	Associate degree	\$44,252	\$17.12 - 25.25
17-3025	Environmental Engineering Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
17-3026	Industrial Engineering Techs	90	90	0	0.00%	<5	<5	<5	Associate degree	\$40,151	\$16.44 - 21.75
17-3027	Mechanical Engineering Techs	100	100	0	0.00%	<5	<5	<5	Associate degree	\$38,784	\$14.92 - 21.46
17-3031	Surveying/Mapping Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
17-3099 ⁽⁷⁾	Drafters/Engrng/Map Techs AO	70	70	0	0.00%	<5	<5	<5	Associate degree	\$37,678	\$14.26 - 20.8
19-0000	Life, Physical, and Social Science Occs	1,320	1,340	20	1.52%	10	30	40		\$47,584	\$15.13 - 28.13
19-1010	Ag/Food Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*

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19-1021	Biochemists/Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1023	Zoologists/Wildlife Biologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1031	Conservation Scientists	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,885	\$18.33 - 24.91
19-1032	Foresters	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,955	\$17.01 - 21.51
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-1042	Med Scientists Ex Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1099	Life Scientists/All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2031	Chemists	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,795	\$18.56 - 30.34
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2041	Environ Sci/Specialists/Incl Health	50	50	0	0.00%	<5	<5	<5	Master's degree	\$44,125	\$17.91 - 24.6
19-2042	Geosci Ex Hydrolog/Geograph	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-2099	Physical Scientists/All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3021	Market Research Analysts	150	150	0	0.00%	<5	<5	<5	Master's degree	\$52,532	\$17.72 - 30.39
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3031	Clinical/Counseling/School Psych	170	180	10	5.88%	<5	<5	<5	Doctoral degree	\$60,328	\$20.85 - 35.81
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3051	Urban/Regional Planners	30	30	0	0.00%	<5	<5	<5	Master's degree	\$56,542	\$22.64 - 32.08
19-3091	Anthropologists/Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3099	Social Scientists/Related Wrks AO	90	90	0	0.00%	<5	<5	<5	Master's degree	\$60,198	\$24.91 - 34.57
19-4011	Ag/Food Science Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
19-4021	Biological Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
19-4031	Chemical Techs	130	130	0	0.00%	<5	<5	<5	Associate degree	\$38,838	\$13.27 - 18.76
19-4091	Envir Sci/Protect Techs Incl Health	*	*	*	*	<5	<5	<5	Associate degree	*	*
19-4093	Forest/Conservation Techs	20	20	0	0.00%	<5	<5	<5	Associate degree	\$31,417	\$13.89 - 16.88
19-4099	Life, Physical, & Social Science Tech, AO	110	110	0	0.00%	<5	<5	<5	Associate degree	\$31,197	\$11.08 - 17.99
21-0000	Community/Social Services Occupations	2,690	2,770	80	2.97%	40	50	90		\$38,047	\$12.7 - 21.32
21-1011	Sub Abuse/Behavior Disordr Cnslrs	60	60	0	0.00%	<5	<5	<5	Master's degree	\$39,771	\$14.62 - 22.86
21-1012	Ed+B585/Vocational/School Counselors	220	220	0	0.00%	<5	10	10	Master's degree	\$47,243	\$15.1 - 28.6

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21-1013	Marriage/Family Therapists	30	30	0	0.00%	<5	<5	<5	Master's degree	\$61,057	\$13.91 - 48.59
21-1014	Mental Health Counselors	70	80	10	14.29%	<5	<5	<5	Master's degree	\$56,486	\$12.48 - 48.02
21-1015	Rehabilitation Counselors	150	150	0	0.00%	<5	<5	<5	Master's degree	\$33,371	\$12.12 - 20.12
21-1021	Child/Family/School Social Wrkrs	390	400	10	2.56%	10	10	20	Master's degree	\$29,462	\$11.26 - 16.59
21-1022	Medical/Public Health Social Wrkrs	130	130	0	0.00%	<5	<5	<5	Master's degree	\$38,067	\$15.67 - 20.81
21-1023	Mental Hlth/Sub Abuse Social Wrkrs	100	100	0	0.00%	<5	<5	<5	Master's degree	\$30,301	\$12.33 - 16.71
21-1091	Health Educators	40	40	0	0.00%	<5	<5	<5	Master's degree	\$30,761	\$10.06 - 19.23
21-1092	Prob Offcrs/Correctnl Treat Spclsts	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$36,079	\$14.71 - 20.11
21-1093	Social/Human Service Assts	460	490	30	6.52%	20	10	30	Moderate-term on-the-job training	\$29,870	\$10.41 - 18.18
21-2011	Clergy	520	520	0	0.00%	<5	10	10	Master's degree	\$38,701	\$16.39 - 20.51
21-2021	Directors/Religious Activities/Ed	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
21-9099 ⁽⁷⁾	Counsel/Social/Religious Wrkrs AO	260	270	10	3.85%	10	10	20	Bachelor's degree	\$43,945	\$17.84 - 25.35
23-0000	Legal Occupations	560	570	10	1.79%	10	10	20		\$60,036	\$19.77 - 36.32
23-1011	Lawyers	350	360	10	2.86%	10	<5	10	First professional degree	\$71,953	\$24.22 - 40.4
23-1021	Admin Law Jdgs/Adjudic/Hrng Offcr	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
23-1022	Arbitrators/Mediators/Conciliators	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
23-1023	Jdgs/Magistrate Jdgs/Magistrates	10	10	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$32,932	\$5.9 - 24.4
23-2011	Paralegals/Legal Assts	110	110	0	0.00%	<5	<5	<5	Associate degree	\$43,126	\$16.41 - 25.12
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
23-2093	Title Exam/Abstractors/Searchers	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,695	\$13.09 - 18.92
23-9099 ⁽⁷⁾	Legal/Rel Wrkrs/All Other	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$36,561	\$14.26 - 20.72
25-0000	Ed, Training, & Library Occupations	9,810	9,990	180	1.83%	90	190	280		\$39,284	\$12.94 - 24.57
25-1011	Business Teachers/Postsec	90	100	10	11.11%	<5	<5	<5	Doctoral degree	\$62,182	
25-1021	Computer Science Teachers Ps	40	40	0	0.00%	<5	<5	<5	Doctoral degree	\$54,336	
25-1022	Mathematical Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1031	Architecture Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1032	Engineering Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1041	Ag Sciences Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1042	Biological Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1043	Forestry/Cons Sci Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1051	Atmos/Erth/Marin/Space Sci Tch Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1052	Chemistry Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1053	Environmental Sci TeachersPs	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1054	Physics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1061	Anthropology/Archeology Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1062	Area/Ethnic/Cultur Studies Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
25-1063	Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1064	Geography Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1065	Political Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1066	Psychology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1067	Sociology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1071	Health Specialties Teachers Ps	*	*	*	*	10	10	20	Master's degree	*	*
25-1072	Nursing Instructors/Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1081	Ed Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1082	Library Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1111	Crim Jus/Law Enforce Tchrs Ps	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$48,673	
25-1112	Law Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1113	Social Work Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1121	Art/Drama/Music Teachers/Postsec	*	*	*	*	<5	<5	<5	Master's degree	*	*
25-1122	Communications Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1123	English Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1124	Foreign Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1125	History Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1126	Philosophy/Religion Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1191	Graduate Teaching Assts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
25-1192	Home Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1193	Rec/Fitness Studies Teachers/Ps	*	*	*	*	<5	<5	<5	Master's degree	*	*
25-1194	Vocational Ed Teachers/Postsec	*	*	*	*	10	10	20	Work experience in a related occupation	*	*
25-1199	Postsec Teachers/All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-2011	Preschool Teachers/Ex Special Ed	640	670	30	4.69%	20	10	30	Bachelor's degree	\$22,112	\$8.45 - 12.57
25-2012	Kindergarten Tchrs Ex Special Ed	220	230	10	4.55%	<5	<5	<5	Bachelor's degree	\$39,431	
25-2021	Elemen Schl Tchrs Ex Special Ed	1,620	1,630	10	0.62%	<5	30	30	Bachelor's degree	\$37,645	
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	980	970	-10	-1.02%	<5	20	20	Bachelor's degree	\$45,025	
25-2023	Vocational Ed Tchrs/Middle School	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,461	
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,360	1,370	10	0.74%	10	40	50	Bachelor's degree	\$43,214	
25-2032	Voc Ed Teachers/Secondary Schl	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,044	
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	220	230	10	4.55%	<5	10	10	Bachelor's degree	\$40,163	
25-2042	Special Ed Teachers/Middle School	110	110	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,263	
25-2043	Special Ed Teachers/Sec Schl	140	140	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,756	
25-3011	Adult Liter/Rem Ed/GED Tchrs/Inst	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,808	\$17.84 - 24.78
25-3021	Self-Enrichment Ed Teachers	210	220	10	4.76%	<5	<5	<5	Work experience in a related occupation	\$24,020	\$7.52 - 15.03
25-3999 ⁽⁷⁾	Tchrs/Prim/Sec/Adult/All Other	440	460	20	4.55%	10	10	20	Bachelor's degree	\$27,709	
25-4010	Archivists/Curators/Museum Techs	20	20	0	0.00%	<5	<5	<5	Master's degree	\$32,852	\$10.46 - 20.96

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
25-4021	Librarians	190	190	0	0.00%	<5	<5	<5	Master's degree	\$46,576	\$18.32 - 26.42
25-4031	Library Techs	150	150	0	0.00%	<5	10	10	Short-term on-the-job training	\$23,352	\$8.94 - 13.23
25-9011	Audio-Visual Collections Specialists	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,387	\$11.81 - 21.64
25-9021	Farm/Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
25-9031	Instructional Coordinators	80	90	10	12.50%	<5	<5	<5	Master's degree	\$50,269	\$15.88 - 33.19
25-9041	Teacher Assts	1,420	1,440	20	1.41%	10	30	40	Associate degree	\$20,247	
25-9199 ⁽⁷⁾	Libr/Mus/Trng/Other Ed Wrks/AO	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$19,780	\$6.83 - 8.81
27-0000	Arts/Design/Entertainment/Sports/Media	1,810	1,860	50	2.76%	20	30	50		\$31,868	\$8.62 - 19.96
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
27-1013	Fine Artists/Incl Pntrs/Sculptrs/Ilstrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-1014	Multi-Media Artists/Animators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1021	Commercial/Industrial Designers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$51,041	\$19.09 - 28.93
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1023	Floral Designers	110	120	10	9.09%	<5	<5	<5	Moderate-term on-the-job training	\$20,505	\$8.72 - 10.91
27-1024	Graphic Designers	180	180	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,005	\$12.45 - 21.39
27-1025	Interior Designers	60	70	10	16.67%	<5	<5	<5	Bachelor's degree	\$30,282	\$8.46 - 18.55
27-1026	Merch Display/Window Trimmers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
27-1027	Set/Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1099 ⁽⁷⁾	Art/Design Wrks/All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2012	Producers/Directors	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$45,711	
27-2021	Athletes/Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2022	Coaches/Scouts	250	250	0	0.00%	<5	10	10	Long-term on-the-job training	\$31,363	
27-2023	Umpires/Refs/Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
27-2041	Music Directors/Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
27-2042	Musicians/Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2099	Entnrns/Perfrmrs/Sports/Rel Wrk/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-3010	Announcers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$26,744	\$8.71 - 15.43
27-3020	News Analysts/Reprtrs/Correspond	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
27-3031	Public Relations Specialists	190	200	10	5.26%	10	<5	10	Bachelor's degree	\$34,855	\$6.89 - 22.7
27-3041	Editors	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,659	\$16.33 - 26.24
27-3042	Technical Writers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$52,996	\$18.24 - 31.92
27-3043	Writers/Authors	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$34,077	\$9.56 - 23.51
27-3091	Interpreters/Translators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-3099	Media/Communication Wrks/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*

Occupational Projections for Southeast Wisconsin Workforce Development Area, 2003-2005

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
27-4011	Audio/Video Equipment Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-4012	Broadcast Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
27-4014	Sound Engineering Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
27-4021	Photographers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$19,802	\$6.49 - 10.82
27-4031	Camera Oprs/TV/Video/Motion Pict	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,865	\$8.32 - 14.94
27-4032	Film/Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-4099	Media/Comm Equipmnt Wrkrs/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
29-0000	Healthcare Practitioners & Technical Occs	7,590	7,900	310	4.08%	150	130	280		\$53,421	\$17.12 - 26.79
29-1011	Chiropractors	60	60	0	0.00%	<5	<5	<5	First professional degree	\$73,599	\$30.77 - 36.66
29-1020	Dentists	190	190	0	0.00%	<5	<5	<5	First professional degree	\$137,871	\$48.88 -
29-1031	Dietitians/Nutritionists	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,093	\$17.93 - 23.94
29-1041	Optometrists	20	20	0	0.00%	<5	<5	<5	First professional degree	\$81,058	\$34.74 - 43.54
29-1051	Pharmacists	280	290	10	3.57%	10	10	20	First professional degree	\$83,200	\$37.84 - 43.91
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1062	Family and General Practitioners	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1063	Internists, General	130	140	10	7.69%	<5	<5	<5	First professional degree	\$166,955	\$61.52 -
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1066	Psychiatrists	20	20	0	0.00%	<5	<5	<5	First professional degree	\$117,228	\$27.47 -
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1069	Physicians and Surgeons, All Other	110	120	10	9.09%	<5	<5	<5	First professional degree	\$161,115	\$59.83 -
29-1071	Physician Assts	60	70	10	16.67%	<5	<5	<5	Bachelor's degree	\$59,231	\$24.36 - 33.47
29-1081	Podiatrists	10	10	0	0.00%	<5	<5	<5	First professional degree	\$164,940	\$57.7 -
29-1111	Registered Nurses	2,750	2,860	110	4.00%	60	50	110	Bachelor's degree ⁽⁹⁾	\$47,347	\$19.89 - 25.52
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
29-1122	Occupational Therapists	160	170	10	6.25%	<5	<5	<5	Bachelor's degree	\$51,541	\$19.76 - 29.16
29-1123	Physical Therapists	200	210	10	5.00%	10	<5	10	Master's degree	\$60,131	\$24.56 - 32.75
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree	*	*
29-1125	Recreational Therapists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$22,806	\$9.35 - 12
29-1126	Respiratory Therapists	90	90	0	0.00%	<5	<5	<5	Associate degree	\$43,232	\$18.48 - 23.1
29-1127	Speech-Language Pathologists	130	140	10	7.69%	<5	<5	<5	Master's degree	\$51,867	\$21.39 - 27.44
29-1131	Veterinarians	80	90	10	12.50%	<5	<5	<5	First professional degree	\$59,036	\$24.03 - 33.71
29-1199	Hlth Diagnsng/Treatng Practtnrs/AO	40	40	0	0.00%	<5	<5	<5	First professional degree	\$50,577	\$13.95 - 28.43
29-2011	Medical/Clinical Lab Technologists	170	170	0	0.00%	<5	10	10	Bachelor's degree	\$44,151	\$19.1 - 23.57
29-2012	Medical/Clinical Lab Techs	110	110	0	0.00%	<5	<5	<5	Associate degree	\$31,007	\$12.72 - 16.91
29-2021	Dental Hygienists	270	290	20	7.41%	10	<5	10	Associate degree	\$52,132	\$23.77 - 27.06
29-2031	Cardiovascular Technlgst/Techncns	30	40	10	33.33%	<5	<5	<5	Associate degree	\$33,595	\$12.3 - 19.26

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29-2032	Diagnostic Medical Sonographers	50	50	0	0.00%	<5	<5	<5	Associate degree	\$61,260	\$27.41 - 33.58
29-2033	Nuclear Medicine Technologists	*	*	*	*	<5	<5	<5	Associate degree	*	*
29-2034	Radiologic Technologists/Techs	220	220	0	0.00%	<5	<5	<5	Associate degree	\$41,819	\$17.24 - 22.8
29-2041	Emergency Med Techs/Paramedics	290	300	10	3.45%	<5	<5	<5	Postsecondary vocational training	\$29,425	\$8.82 - 16.61
29-2051	Dietetic Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
29-2052	Pharmacy Techs	270	290	20	7.41%	10	<5	10	Moderate-term on-the-job training	\$22,561	\$9.08 - 12.64
29-2053	Psychiatric Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
29-2054	Respiratory Therapy Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
29-2055	Surgical Technologists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
29-2056	Veterinary Technologists/Techs	80	80	0	0.00%	<5	<5	<5	Associate degree	\$25,151	\$10.19 - 13.78
29-2061	Licensed Pract/Vocational Nurses	670	680	10	1.49%	10	10	20	Postsecondary vocational training	\$32,503	\$14.23 - 16.99
29-2071	Medical Records/Health Info Techs	200	220	20	10.00%	10	<5	10	Associate degree	\$23,193	\$8.77 - 12.21
29-2081	Opticians/Dispensing	140	140	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$23,626	\$9.88 - 12.84
29-2091	Orthotists/Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
29-9010	Occ Health/Safety Spec/Techs	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$55,631	\$19.45 - 36.47
29-9091	Athletic Trainers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,433	
29-9199 ⁽⁷⁾	Health Prof/Techs, All Other (OES Only)	*	*	*	*	<5	<5	<5	Associate degree	*	*
31-0000	Healthcare Support Occupations	4,830	5,060	230	4.76%	110	70	180		\$23,290	\$9.44 - 12.81
31-1011	Home Health Aides	720	780	60	8.33%	30	10	40	Short-term on-the-job training	\$19,776	\$8.74 - 10.63
31-1012	Nursing Aides/Orderlies/Attendants	2,370	2,440	70	2.95%	40	30	70	Short-term on-the-job training	\$22,303	\$9.38 - 11.89
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
31-2011	Occupational Therapist Assts	40	40	0	0.00%	<5	<5	<5	Associate degree	\$38,411	\$16.06 - 21
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
31-2021	Physical Therapist Assts	80	90	10	12.50%	<5	<5	<5	Associate degree	\$32,220	\$12.74 - 18.01
31-2022	Physical Therapist Aides	50	60	10	20.00%	<5	<5	<5	Short-term on-the-job training	\$23,373	\$8.64 - 12.89
31-9011	Massage Therapists	70	80	10	14.29%	<5	<5	<5	Postsecondary vocational training	\$24,200	\$7.11 - 13.15
31-9091	Dental Assts	420	450	30	7.14%	10	10	20	Moderate-term on-the-job training	\$27,016	\$11.74 - 14.48
31-9092	Medical Assts	340	370	30	8.82%	20	10	30	Moderate-term on-the-job training	\$27,218	\$10.57 - 14.78
31-9093	Medical Equipment Preparers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
31-9094	Medical Transcriptionists	210	220	10	4.76%	<5	<5	<5	Postsecondary vocational training	\$27,933	\$11.74 - 15.68
31-9095	Pharmacy Aides	130	140	10	7.69%	<5	<5	<5	Short-term on-the-job training	\$21,607	\$8.52 - 12.26
31-9096	Vet Assts/Lab Animal Caretakers	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,316	\$7.66 - 10.21
31-9099	Healthcare Support Wrksr/All Other	*	*	*	*	10	10	20	Short-term on-the-job training	*	*
33-0000	Protective Service Occupations	2,800	2,850	50	1.79%	20	90	110		\$36,306	\$12.88 - 22.37
33-1011	First-Line Sup/Mgr of Corr Offcrs	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$50,015	\$21.03 - 26.28
33-1012	First-Line Sup/Mgr of Police/Detect	80	80	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$60,629	\$24.83 - 33.63
33-1021	F-L Sup/Mgr Fire Fght/Prevent Wrk	70	70	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$58,295	\$25.33 - 33.53

Occupational Projections for Southeast Wisconsin Workforce Development Area, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
33-1099	F-L Sups/Mgrs/Protect Srvc Wrk/AO	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$46,918	\$19.05 - 26.21
33-2011	Fire Fighters	460	470	10	2.17%	<5	10	10	Long-term on-the-job training	\$40,066	\$12.49 - 25.79
33-2020 ⁽⁸⁾	Fire Inspectors	20	20	0	0.00%	<5	<5	<5		*	*
33-2021 ⁽⁸⁾	Fire Inspectors and Investigators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work experience in a related occupation	\$52,931	\$19.72 - 32.97
33-2022 ⁽⁸⁾	Forest Fire Inspectors & Prev. Specialists	(8)	(8)	(8)	(8)	(8)	(8)	(8)		*	*
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
33-3012	Correctional Officers/Jailers	390	400	10	2.56%	<5	10	10	Moderate-term on-the-job training	\$32,845	\$14.08 - 17.59
33-3021	Detectives/Criminal Investigators	90	90	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$50,852	\$23.12 - 26.77
33-3031	Fish/Game Wardens	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$40,204	\$16.44 - 22.01
33-3041	Parking Enforcement Wrks	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,332	\$12.9 - 17.04
33-3051	Police/Sheriff's Patrol Officers	680	700	20	2.94%	10	20	30	Long-term on-the-job training	\$41,240	\$14.3 - 24.88
33-9011	Animal Control Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
33-9021	Private Detectives/Investigators	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$28,122	\$8.51 - 19.22
33-9031	Gaming Surv. Officers & Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
33-9032	Security Guards	520	530	10	1.92%	10	10	20	Short-term on-the-job training	\$23,060	\$8.32 - 13.03
33-9091	Crossing Guards	130	140	10	7.69%	<5	10	10	Short-term on-the-job training	\$20,221	\$9.13 - 10.7
33-9099	Protective Service Wrks/All Other	210	210	0	0.00%	<5	20	20	Short-term on-the-job training	\$17,619	\$6.76 - 8.54
35-0000	Food Preparation & Serving Occupations	16,790	17,230	440	2.62%	220	820	1,040		\$16,583	\$6.19 - 9.09
35-1011	Chefs/Head Cooks	250	250	0	0.00%	<5	10	10	Postsecondary vocational training	\$23,661	\$6.44 - 15.31
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	970	1,000	30	3.09%	10	30	40	Work experience in a related occupation	\$27,948	\$10.4 - 15.64
35-2011	Cooks/Fast Food	920	930	10	1.09%	<5	40	40	Short-term on-the-job training	\$14,538	\$6.05 - 7.82
35-2012	Cooks/Institution/Cafeteria	540	540	0	0.00%	<5	20	20	Long-term on-the-job training	\$21,476	\$8.52 - 11.69
35-2013	Cooks/Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
35-2014	Cooks/Restaurant	950	970	20	2.11%	10	40	50	Long-term on-the-job training	\$19,103	\$7.19 - 10.49
35-2015	Cooks/Short Order	540	550	10	1.85%	10	20	30	Short-term on-the-job training	\$17,112	\$6.39 - 8.94
35-2021	Food Prep Wrks	1,090	1,130	40	3.67%	20	50	70	Short-term on-the-job training	\$16,877	\$7.05 - 8.84
35-3011	Bartenders	1,660	1,680	20	1.20%	10	60	70	Short-term on-the-job training	\$18,240	\$7.3 - 10.22
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,460	3,600	140	4.05%	70	190	260	Short-term on-the-job training	\$15,714	\$6.34 - 8.46
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	540	550	10	1.85%	10	60	70	Short-term on-the-job training	\$14,904	\$6.18 - 8.07
35-3031	Waiters/Waitresses	3,480	3,580	100	2.87%	50	200	250	Short-term on-the-job training	\$13,726	\$5.79 - 6.75
35-3041	Food Servers/Nonrestaurant	260	260	0	0.00%	<5	10	10	Short-term on-the-job training	\$16,223	\$6.9 - 8.65
35-9011	Dining Rm/Cafeter Atts/Bar Helpers	630	630	0	0.00%	<5	30	30	Short-term on-the-job training	\$13,384	\$5.84 - 6.88
35-9021	Dishwashers	990	1,000	10	1.01%	10	50	60	Short-term on-the-job training	\$13,787	\$5.91 - 7.37
35-9031	Hosts Rest/Lounge/Coff Shop	390	400	10	2.56%	10	20	30	Short-term on-the-job training	\$15,855	\$6.19 - 8.36
35-9099	Food Prep/Serving Rel Wrks/AO	140	140	0	0.00%	<5	10	10	Short-term on-the-job training	\$16,939	\$7.54 - 8.8
37-0000	Build & Grounds Cleaning/Maint Occs	6,470	6,610	140	2.16%	70	130	200		\$21,934	\$7.89 - 12.51
37-1011	F-L Sups/Mgrs Hskpng/Janitrl Wrks	300	300	0	0.00%	<5	10	10	Work experience in a related occupation	\$31,328	\$10.09 - 19.44

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
37-1012	F-L Sups/Mgrs Land/Lawn/Grounds Wrks	110	110	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$39,486	\$12.98 - 24.3
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	3,120	3,180	60	1.92%	30	60	90	Short-term on-the-job training	\$21,290	\$7.89 - 12.19
37-2012	Maids/Housekpng Cleaners	1,750	1,770	20	1.14%	10	40	50	Short-term on-the-job training	\$17,971	\$7.11 - 9.92
37-2021	Pest Control Wrks	20	30	10	50.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,234	\$8.96 - 12.49
37-3011	Landscaping/Grndskpng Wrks	1,090	1,130	40	3.67%	20	20	40	Short-term on-the-job training	\$22,661	\$8.42 - 12.75
37-3012	Pesticide Hndlr/Sprays/Apps Veg	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,074	\$11 - 14.01
37-3013	Tree Trimmers/Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
37-9099 ⁽⁷⁾	Bldg/Grnds Cleanng/Maint Wrks AO	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,386	\$12.03 - 13.94
39-0000	Personal Care and Service Occupations	4,580	4,750	170	3.71%	80	110	190		\$19,638	\$7.2 - 10.61
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-1021	F-L Sups/Mgrs of Persnl Serv Wrks	150	160	10	6.67%	10	<5	10	Work experience in a related occupation	\$33,979	\$11.16 - 19.02
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-2021	Nonfarm Animal Caretakers	80	90	10	12.50%	<5	<5	<5	Short-term on-the-job training	\$19,948	\$7.37 - 10.95
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-3012	Gaming/Sports Book Writers & Runners	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-3021	Motion Picture Projectionists	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-3031	Ushers/Lobby Attend/Ticket Takers	100	100	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,092	\$6.69 - 9.74
39-3091	Amusement/Recreation Attendants	480	490	10	2.08%	<5	20	20	Short-term on-the-job training	\$15,499	\$6.23 - 7.93
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-3093	Lockr Rm/Coatrm/Dress Rm Attend	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-3199 ⁽⁷⁾	Gaming Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-4021	Funeral Attendants	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,468	\$12.23 - 16.23
39-5011	Barbers	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$22,600	\$6.94 - 13.45
39-5012	Hairdress/Hairstyl/Cosmetologists	890	900	10	1.12%	10	20	30	Postsecondary vocational training	\$20,899	\$7.11 - 12.42
39-5092	Manicurists/Pedicurists	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$16,774	\$7.01 - 8.93
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-5094	Skin Care Specialists	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$20,396	\$7.59 - 10.88
39-6011	Baggage Porters/Bellhops	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$14,251	\$6.1 - 7.45
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6021	Tour Guides/Escorts	30	40	10	33.33%	<5	<5	<5	Moderate-term on-the-job training	\$26,369	\$12.15 - 13.75
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6032	Trans Atts/Ex Flight Atts/Bag Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-9011	Child Care Workers	620	650	30	4.84%	10	20	30	Short-term on-the-job training	\$17,752	\$7.28 - 9.1
39-9021	Personal/Home Care Aides	960	1,030	70	7.29%	40	20	60	Short-term on-the-job training	\$18,463	\$7.9 - 9.98
39-9031	Fitness Trainers/Aerobics Instruct	280	300	20	7.14%	10	10	20	Postsecondary vocational training	\$18,898	\$7.32 - 9.3

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39-9032	Recreation Wrkrs	390	390	0	0.00%	<5	10	10	Bachelor's degree	\$22,254	\$7.48 - 12.27
39-9041	Residential Advisors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-9099	Personal Care/Service Wrkrs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
41-0000	Sales and Related Occupations	16,330	16,680	350	2.14%	170	670	840		\$29,589	\$7.24 - 15.83
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	1,400	1,440	40	2.86%	20	20	40	Work experience in a related occupation	\$34,307	\$11.56 - 20.03
41-1012	F-L Sups/Mgrs of nonRtl Sls Wrkrs	250	260	10	4.00%	<5	10	10	Work experience in a related occupation	\$73,265	\$16.47 - 41.71
41-2011	Cashiers	4,650	4,740	90	1.94%	50	300	350	Short-term on-the-job training	\$16,507	\$6.61 - 8.69
41-2012	Gaming Change/Booth Cashiers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	*
41-2021	Counter/Rental Clerks	430	450	20	4.65%	10	20	30	Short-term on-the-job training	\$16,738	\$6.32 - 9.26
41-2022	Parts Salespersons	300	300	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$25,799	\$9.19 - 15.26
41-2031	Retail Salespersons	5,430	5,530	100	1.84%	50	220	270	Short-term on-the-job training	\$20,194	\$6.99 - 10.22
41-3011	Advertising Sales Agents	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$44,010	\$14.11 - 25.98
41-3021	Insurance Sales Agents	160	170	10	6.25%	10	<5	10	Bachelor's degree	\$58,927	\$15.61 - 27.77
41-3031	Sec/Comm/Fin Serv Sales Agents	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$65,607	\$14.13 - 44.71
41-3041	Travel Agents	100	100	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$29,303	\$9.62 - 16.77
41-4011	Sls Reps/Whlsl/Mfg/Tech/Sci Prods	400	400	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$66,522	\$25.28 - 36.03
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,930	1,970	40	2.07%	20	50	70	Moderate-term on-the-job training	\$64,442	\$17.99 - 47.27
41-9011	Demonstrators/Product Promoters	90	100	10	11.11%	<5	<5	<5	Moderate-term on-the-job training	\$19,619	\$7.33 - 10.28
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
41-9022	Real Estate Sales Agents	80	80	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$52,278	\$13.57 - 35.5
41-9031	Sales Engineers	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$66,659	\$24.97 - 39.16
41-9041	Telemarketers	260	250	-10	-3.85%	<5	<5	<5	Short-term on-the-job training	\$22,926	\$7.82 - 12.74
41-9091	Door Sales/News/St Vndrs/Rel Wrkrs	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$13,183	\$5.84 - 6.69
41-9099	Sales/Related Wrkrs/All Other	350	360	10	2.86%	10	10	20	Moderate-term on-the-job training	\$42,793	\$10.6 - 25.54
43-0000	Office/Administrative Support Occupations	24,520	24,640	120	0.49%	60	600	660		\$26,699	\$9.4 - 15.23
43-1011	F-L Sups/Mgrs-Ofc/Admin Sup Wrkrs	1,440	1,440	0	0.00%	<5	30	30	Work experience in a related occupation	\$43,281	\$14.86 - 24.78
43-2011	Switchboard Oprs/Incl Answrng Svc	250	250	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,976	\$8.05 - 11.07
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-2099	Communications Eqpment Oprs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-3011	Bill/Account Collectors	210	220	10	4.76%	10	<5	10	Short-term on-the-job training	\$26,529	\$10.13 - 15.17
43-3021	Billing/Posting Clerks/Machn Oprs	550	560	10	1.82%	<5	10	10	Moderate-term on-the-job training	\$25,949	\$10.22 - 13.99
43-3031	Bookkeep/Account/Auditing Clerks	2,340	2,340	0	0.00%	<5	40	40	Moderate-term on-the-job training	\$27,902	\$10.52 - 16.06
43-3041	Gaming Cage Wrkrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-3051	Payroll/Timekeeping Clerks	260	260	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$29,358	\$11.68 - 16.68
43-3061	Procurement Clerks	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,867	\$9.93 - 14.59
43-3071	Tellers	690	710	20	2.90%	10	40	50	Short-term on-the-job training	\$20,368	\$8.64 - 10.86
43-4011	Brokerage Clerks	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,477	\$8.75 - 12.18

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43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-4031	Court/Municipal/License Clerks	140	140	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,106	\$11.99 - 16.07
43-4041	Credit Authorizers/Checkers/Clerks	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$32,473	\$12.96 - 16.94
43-4051	Customer Service Reps	1,690	1,740	50	2.96%	20	30	50	Moderate-term on-the-job training	\$29,520	\$9.98 - 17.65
43-4061	Eligibility Interviewers/Gov't Progrms	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
43-4071	File Clerks	240	240	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,387	\$7.99 - 11.3
43-4081	Hotel/Motel/Resort Desk Clerks	420	420	0	0.00%	<5	20	20	Short-term on-the-job training	\$17,662	\$7.42 - 8.93
43-4111	Interviewers/Ex Eligibility/Loan	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-4121	Library Assts/Clerical	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,894	\$7.92 - 12.07
43-4131	Loan Interviewers/Clerks	140	130	-10	-7.14%	<5	<5	<5	Short-term on-the-job training	\$29,604	\$11.98 - 16.05
43-4141	New Accounts Clerks	110	120	10	9.09%	<5	<5	<5	Work experience in a related occupation	\$25,963	\$10.74 - 13.99
43-4151	Order Clerks	430	420	-10	-2.33%	<5	10	10	Short-term on-the-job training	\$23,078	\$6.72 - 14.22
43-4161	Human Res Assts/Ex Pay/Tmkpng	190	190	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,219	\$11.86 - 16.7
43-4171	Receptionists/Info Clerks	1,470	1,530	60	4.08%	30	40	70	Short-term on-the-job training	\$21,793	\$8.91 - 11.68
43-4181	Res/Trans Ticket Agnts/Travl Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-4999 ⁽⁷⁾	Fin/Info/Record Clerks/All Other	180	180	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,145	\$9.9 - 16.01
43-5011	Cargo/Freight Agents	30	40	10	33.33%	<5	<5	<5	Moderate-term on-the-job training	\$25,038	\$6.79 - 13.92
43-5021	Couriers/Messengers	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,928	\$6.25 - 11.18
43-5031	Police/Fire/Ambulance Dispatchers	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,235	\$14.07 - 19.36
43-5032	Disp/Ex Police/Fire/Ambulance	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,706	\$12.65 - 17.19
43-5041	Meter Readers/Utilities	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$41,947	\$16.31 - 24.4
43-5051	Postal Service Clerks	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$39,234	\$17.99 - 20.33
43-5052	Postal Service Mail Carriers	350	350	0	0.00%	<5	10	10	Short-term on-the-job training	\$38,970	\$17.23 - 20.69
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	230	220	-10	-4.35%	<5	10	10	Short-term on-the-job training	\$36,517	\$17.45 - 20.18
43-5061	Production/Plan/Expediting Clerks	460	470	10	2.17%	10	10	20	Short-term on-the-job training	\$37,713	\$13.86 - 21.5
43-5071	Shipping/Receiving/Traffic Clerks	1,040	1,040	0	0.00%	<5	20	20	Short-term on-the-job training	\$25,448	\$9.74 - 14.44
43-5081	Stock Clerks/Order Fillers	1,960	1,950	-10	-0.51%	<5	100	100	Short-term on-the-job training	\$19,847	\$7.18 - 11.34
43-5111	Weigh/Meas/Check/Sample/Rcrdkp	150	150	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,683	\$11.82 - 16.45
43-5199 ⁽⁷⁾	Matrl Rec/Sched/Disp/Dist Wrkrs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-6011	Executive Secretaries/Admin Assts	1,730	1,740	10	0.58%	<5	30	30	Moderate-term on-the-job training	\$31,469	\$11.67 - 18.02
43-6012	Legal Secretaries	180	180	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$28,972	\$11.95 - 15.95
43-6013	Medical Secretaries	290	290	0	0.00%	<5	10	10	Postsecondary vocational training	\$24,403	\$10.17 - 13.3
43-6014	Secretaries/Ex Legal/Medical/Exec	2,350	2,300	-50	-2.13%	<5	40	40	Moderate-term on-the-job training	\$24,640	\$9.62 - 13.93
43-9011	Computer Oprs	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,123	\$11.39 - 19.61
43-9021	Data Entry Keyers	290	290	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$24,313	\$9.66 - 13.35
43-9022	Word Processors/Typists	190	160	-30	-15.79%	<5	<5	<5	Moderate-term on-the-job training	\$25,307	\$9.91 - 14.01
43-9031	Desktop Publishers	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$29,458	\$8.89 - 18.95

Occupational Projections for Southeast Wisconsin Workforce Development Area, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-9041	Ins Claims/Policy Processng Clerks	130	140	10	7.69%	<5	<5	<5	Moderate-term on-the-job training	\$23,031	\$9.36 - 12.93
43-9051	Mail Clerks/Mail Machn Oprs/Ex P S	120	120	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,756	\$9.55 - 12.53
43-9061	Office Clerks/General	2,630	2,650	20	0.76%	10	60	70	Short-term on-the-job training	\$22,935	\$8.81 - 12.92
43-9071	Office Machn Oprs/Ex Computer	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,722	\$9.23 - 16.26
43-9081	Proofreaders/Copy Markers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-9111	Statistical Assts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
43-9999 ⁽⁷⁾	Sec/Admn Asst/Othr Offc Sup Wrks/AO	270	260	-10	-3.70%	<5	10	10	Short-term on-the-job training	\$26,671	\$10.11 - 15.16
45-0000	Farming/Fishing/Forestry Occs	140	140	0	0.00%	<5	<5	<5		\$19,053	\$6.56 - 11.14
45-1011	F-L Sups/Mgrs Farm/Fish/Forest Wrks	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$33,280	\$13.63 - 19.46
45-1012	Farm Labor Contractors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
45-2011	Ag Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-2041	Graders/Sorters/Ag Prod	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
45-2091	Ag Equipment Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-2092	Farm/Labrrs/Crop/Nursry/Greenhs	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$14,881	\$6.17 - 7.33
45-2093	Farmwrks/Farm/Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
45-4011	Forest/Conservation Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-4022	Logging Equipment Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-4023	Log Graders/Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-9099 ⁽⁷⁾	Farming/Fishing/Forestry Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-0000	Construction and Extraction Occupations	7,400	7,640	240	3.24%	120	140	260		\$42,341	\$14.56 - 25.43
47-1011	F-L Sup/Mgr Const Trades/Extr Wrks	510	530	20	3.92%	10	10	20	Work experience in a related occupation	\$56,858	\$19.39 - 31.84
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2021	Brickmasons/Blockmasons	210	220	10	4.76%	<5	<5	<5	Long-term on-the-job training	\$51,180	\$21.59 - 29.86
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2031	Carpenters	1,340	1,390	50	3.73%	30	20	50	Long-term on-the-job training	\$37,280	\$13.7 - 21.78
47-2041	Carpet Installers	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$52,502	\$18.14 - 33.36
47-2042	Floor Layrs/Ex Carpet/Wood/Tiles	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$40,143	\$12.88 - 24.37
47-2043	Floor Sanders/Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2044	Tile/Marble Settrs	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$49,401	\$18.65 - 27.47
47-2051	Cement Masons and Concrete Finishers	280	290	10	3.57%	<5	10	10	Moderate-term on-the-job training	\$39,634	\$14.24 - 23.02
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2061	Construction Laborers	850	890	40	4.71%	20	10	30	Moderate-term on-the-job training	\$34,913	\$12.53 - 20.82
47-2071	Pavng/Surfacng/Tampng Equip Oprs	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$40,193	\$17.43 - 21.17
47-2072	Pile-Driver Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2073	Opng Engnrs/Other Con Eqp Oprs	470	490	20	4.26%	10	10	20	Moderate-term on-the-job training	\$47,708	\$19.9 - 26.65
47-2081	Drywall/Ceiling Tile Installers	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$43,358	\$18.12 - 24.53

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
47-2082	Tapers	30	40	10	33.33%	<5	<5	<5	Moderate-term on-the-job training	\$48,004	\$20.04 - 26.75
47-2111	Electricians	740	770	30	4.05%	20	10	30	Long-term on-the-job training	\$51,910	\$22.45 - 28.2
47-2121	Glaziers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$37,312	\$11.91 - 23.65
47-2130	Insulation Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2141	Painters/Const/Maint	280	290	10	3.57%	<5	<5	<5	Moderate-term on-the-job training	\$40,978	\$13.92 - 23.89
47-2142	Paperhangers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$46,344	\$19.65 - 23.71
47-2151	Pipelayers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$43,053	\$18.74 - 23.65
47-2152	Plumbers/Pipefitters/Steamfitters	550	570	20	3.64%	10	10	20	Long-term on-the-job training	\$52,676	\$20.15 - 32.2
47-2161	Plasterers/Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2171	Reinforcing Iron/Rebar Wrks	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2181	Roofers	200	210	10	5.00%	<5	10	10	Moderate-term on-the-job training	\$28,193	\$10.57 - 15.61
47-2211	Sheet Metal Wrks	350	370	20	5.71%	10	10	20	Moderate-term on-the-job training	\$36,882	\$12.97 - 24.33
47-2221	Structural Iron/Steel Wrks	80	80	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$63,260	\$25.03 - 36.63
47-3011	Helprs-Brick/Block/Stone/Tile/Marble	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$36,323	\$14.07 - 20.65
47-3012	Helpers--Carpenters	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,633	\$8.34 - 11.91
47-3013	Helpers--Electricians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-3014	Helprs--Paint/Paper/Plaster/Stucco	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,255	\$8.9 - 10.71
47-3015	Helprs--Pipelay/Plumb/Pipe/Steam	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-3019	Helpers/Const Trades/All Other	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,803	\$10.53 - 23.33
47-4011	Const/Bldg Inspectors	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$46,401	\$19.11 - 26.63
47-4021	Elevator Installers/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4041	Hazardous Materials Removal Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4051	Highway Maint Wrks	310	300	-10	-3.23%	<5	<5	<5	Moderate-term on-the-job training	\$34,478	\$11.1 - 21.07
47-4061	Rail-Track Layng/Maint Eqpmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4071	Septic Tnk Srvcs/Sewer Pipe Clnrs	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,064	\$11.9 - 16.98
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4999 ⁽⁷⁾	Const Trades/Rel Wrks/AO	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,529	\$10.12 - 16.64
47-5021	Earth Drillers/Ex Oil/Gas	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$47,075	\$20.65 - 26.35
47-5031	Explsv/Ordnc Handling Exprts/Blastrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5040 ⁽⁸⁾	Mining Machine Oprs	<5	<5	0	0.00%	<5	<5	<5		*	*
47-5041 ⁽⁸⁾	Continuous Mining Machine Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	*
47-5042 ⁽⁸⁾	Mine Cutting/Channeling Machine Oprs	(8)	(8)	(8)	(8)	(8)	(8)	(8)		*	*
47-5051	Rock Splitters/Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5081	Helpers--Extraction Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
49-0000	Installation/Maint/Repair Occupations	6,330	6,460	130	2.05%	60	140	200		\$35,514	\$12.44 - 20.93

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
49-1011	F-L Supvsrs/Mgrs of Mechs/Inst/Rep	510	530	20	3.92%	10	10	20	Work experience in a related occupation	\$49,846	\$17.87 - 28.61
49-2011	Computer/ATM/Offc Machn Reprsr	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$40,449	\$12.27 - 28.02
49-2022	Telecm Eqp Inst/Reprsr/Ex Line Inst	100	100	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,748	\$16.26 - 22.35
49-2091	Avionics Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2092	Elec Motor/Power Tool/Rel. Reprsr	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,218	\$16.46 - 21.66
49-2093	Elec Installers/Repairers/Trans Eqp	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2094	Elec Repairers/Comm/Ind Equip	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$34,882	\$14.13 - 19.34
49-2095	Elec Reprsr/Powerhse/Substn/Relay	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$53,481	\$24.7 - 29.31
49-2096	Elec Equip Instlrs/Reprsr/Motor Veh	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2097	Elec Home Ent Eqpmnt Inst/Reprsr	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,709	\$9.35 - 16.44
49-2098	Security/Fire Alarm Systems Inst	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2099 ⁽⁷⁾	Elec Equip Mechs/Instlrs/Reprsr/AO	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-3011	Aircraft Mechanics/Service Techs	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$34,730	\$10.85 - 22.05
49-3021	Automotive Body/Related Repairers	320	320	0	0.00%	<5	10	10	Long-term on-the-job training	\$36,723	\$14.05 - 19.93
49-3022	Automotive Glass Installers/Reprsr	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-3023	Automotive Service Techs/Mechanics	1,060	1,060	0	0.00%	<5	30	30	Postsecondary vocational training	\$31,106	\$10.71 - 17.53
49-3031	Bus/Truck Mechs/Diesel Engrn Spec	300	300	0	0.00%	<5	10	10	Postsecondary vocational training	\$37,100	\$14.78 - 20.87
49-3041	Farm Equipment Mechanics	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$24,591	\$9.18 - 14.29
49-3042	Mobile Hvy Eqpmnt Mechs/Ex Engrs	110	110	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$44,360	\$18.5 - 24.24
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-3051	Motorboat Mechanics	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,922	\$12.68 - 17.03
49-3052	Motorcycle Mechanics	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$35,005	\$14.61 - 19.58
49-3053	Outdr Powr Eqp/Othr Sm Engrn Mchs	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,266	\$9.55 - 16.53
49-3091	Bicycle Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$18,562	\$8.09 - 9.97
49-3092	Recreational Vehicle Service Techs	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,293	\$10.36 - 16.16
49-3093	Tire Repairers/Changers	90	90	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,828	\$7.99 - 10.79
49-3099 ⁽⁷⁾	Veh/Mbl Eqp Mechs/Instl/Reprsr/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9012	Cntrl/Valve Inst/Rep/Ex Mechn Door	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9021	Heating/AC/Refrig Mechs/Instlrs	200	210	10	5.00%	10	<5	10	Long-term on-the-job training	\$41,842	\$15.92 - 23.17
49-9031	Home Appliance Repairers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$25,957	\$6.36 - 17.42
49-9041	Industrial Machnry Mechanics	340	350	10	2.94%	10	10	20	Long-term on-the-job training	\$41,014	\$16.4 - 23.18
49-9042	Maint/Repair Wrkrs/General	1,750	1,800	50	2.86%	20	30	50	Long-term on-the-job training	\$32,355	\$11.98 - 19.28
49-9043	Maint Wrkrs/Machnry	140	140	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$35,899	\$15.31 - 19.38
49-9044	Millwrights	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9045	Refractory Mtrls Reprsr/Ex Brickmsns	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,309	\$10.76 - 20.62
49-9051	Elec Power-Line Installrs/Repairers	110	110	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$48,628	\$17.12 - 28.11

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
49-9052	Telecomm Line Installers/Reprss	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree	*	*
49-9063	Musical Instr Repairers/Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9069	Precision Inst/Eqpmnt Repairers/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9091	Coin/Vend/Amuse Machn Serv/Repr	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,971	\$12.1 - 14.25
49-9094	Locksmiths/Safe Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,899	\$9.61 - 12.44
49-9095	Manufactrd Bldg/Mobile Home Inst	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
49-9098	Helpers--Install/Maint/Repair Wrks	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$23,089	\$8.16 - 12.75
49-9099	Installation/Maint/Repair Wrks/AO	80	90	10	12.50%	<5	<5	<5	Moderate-term on-the-job training	\$40,352	\$14.51 - 24.48
51-0000	Production Occupations	26,150	26,510	360	1.38%	180	610	790		\$30,425	\$10.71 - 17.32
51-1011	F-L Sups/Mgrs of Prdn/Operat Wrks	1,640	1,700	60	3.66%	30	30	60	Work experience in a related occupation	\$49,398	\$17.46 - 28.03
51-2011	Aircraft Struct/Surf/Riggng/Sys Assembler	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-2021	Coil Winders/Tapers/Finishers	220	220	0	0.00%	<5	10	10	Short-term on-the-job training	\$26,712	\$9.67 - 16.12
51-2022	Electrical/Electronic Eqpmnt Assembler	610	600	-10	-1.64%	<5	10	10	Short-term on-the-job training	\$25,264	\$9.62 - 14.63
51-2023	Electromechanical Eqpmnt Assembler	160	150	-10	-6.25%	<5	<5	<5	Short-term on-the-job training	\$26,609	\$10.63 - 14.03
51-2031	Engine/Other Machn Assemblers	260	250	-10	-3.85%	<5	10	10	Short-term on-the-job training	\$35,448	\$12.84 - 20.09
51-2041	Structural Metal Fabricators/Fitters	230	240	10	4.35%	<5	10	10	Moderate-term on-the-job training	\$31,662	\$11.12 - 18.43
51-2091	Fiberglass Laminators/Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-2092	Team Assemblers	3,820	3,800	-20	-0.52%	<5	100	100	Moderate-term on-the-job training	\$27,958	\$9.97 - 14.8
51-2093	Timng Device Assemb/Adjustrs/Calibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-2099	Assemblers/Fabricators/All Other	380	370	-10	-2.63%	<5	10	10	Moderate-term on-the-job training	\$24,148	\$8.89 - 14.74
51-3011	Bakers	300	310	10	3.33%	<5	10	10	Long-term on-the-job training	\$22,068	\$8.4 - 12.43
51-3021	Butchers/Meat Cutters	220	220	0	0.00%	<5	10	10	Long-term on-the-job training	\$30,996	\$12.03 - 17.44
51-3022	Meat/Poultry/Fish Cutters/Trimmers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-3023	Slaughters/Meat Packers	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	*
51-3091	Food/Tobac Bake/Dry/Mchn Op/Tndrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-3092	Food Batchmakers	190	190	0	0.00%	<5	10	10	Short-term on-the-job training	\$23,225	\$8.27 - 14.21
51-3093	Food Cooking Machn Oprs/Tendrs	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,095	\$11.16 - 13.72
51-3099 ⁽⁷⁾	Food Processing Wrks/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-4011	Comp-Cntrld Mahn Tool Op/M/P	740	770	30	4.05%	10	10	20	Moderate-term on-the-job training	\$30,599	\$11.5 - 17.34
51-4012	Num Tool/Procss Cntrl Programmrs	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$38,059	\$13.09 - 21.51
51-4021	Extrud/Draw Mchn Set/Op/Tndrs/M/P	250	260	10	4.00%	10	10	20	Moderate-term on-the-job training	\$26,912	\$9.82 - 15.84
51-4022	Forge Machn Set/Op/Tndrs/M/P	140	150	10	7.14%	<5	<5	<5	Moderate-term on-the-job training	\$26,721	\$10.45 - 15.52
51-4023	Roll Machn Set/Op/Tndrs/M/P	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,165	\$15.05 - 19.27
51-4031	Cut/Punch/Press Set/Op/Tndrs/M/P	900	920	20	2.22%	10	20	30	Moderate-term on-the-job training	\$30,558	\$10.89 - 18.19

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-4032	Drill/Bore Tool Set/Op/Tndrs/M/P	170	170	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,752	\$11.94 - 17.4
51-4033	Grind/Lap/Polish/Buf Set/Op/Tnd/M/P	450	460	10	2.22%	10	10	20	Moderate-term on-the-job training	\$31,689	\$11.64 - 17.9
51-4034	Lathe/Turn Tool Set/Op/Tndrs/M/P	300	310	10	3.33%	<5	10	10	Moderate-term on-the-job training	\$29,188	\$11.28 - 16.33
51-4035	Mill/Plane Mchn Set/Op/Tndrs/M/P	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,576	\$12.24 - 17.13
51-4041	Machinists	1,150	1,170	20	1.74%	10	30	40	Long-term on-the-job training	\$33,255	\$13.34 - 18.48
51-4051	Metal-Refining Furnace Ops/Tendrs	40	50	10	25.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,459	\$15.14 - 19.57
51-4052	Pourers/Casters/Metal	40	50	10	25.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,859	\$11.45 - 15.89
51-4061	Model Makers/Metal/Plastic	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$44,670	\$18.49 - 24.78
51-4062	Patternmakers/Metal/Plastic	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$39,506	\$16.43 - 21.8
51-4071	Foundry Mold/Coremakers	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,566	\$11.1 - 14.95
51-4072	Mold/Core/Cast Set/Op/Tndrs/M/P	550	560	10	1.82%	10	10	20	Moderate-term on-the-job training	\$27,621	\$11.45 - 14.86
51-4081	Mult Mchn Tool Set/Op/Tndrs/M/P	500	520	20	4.00%	10	10	20	Moderate-term on-the-job training	\$37,311	\$13.31 - 23.98
51-4111	Tool/Die Makers	480	490	10	2.08%	<5	10	10	Long-term on-the-job training	\$41,665	\$16.14 - 24.27
51-4121	Welders/Cutters/Solderers/Brazers	870	900	30	3.45%	20	20	40	Postsecondary vocational training	\$29,690	\$11.55 - 16.76
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	260	250	-10	-3.85%	<5	10	10	Moderate-term on-the-job training	\$37,970	\$15 - 22.43
51-4191	Heat Treat Eqp Set/Op/Tndrs/M/P	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,689	\$10.9 - 15.63
51-4192	Lay-Out Wrks/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,272	\$10.01 - 14.21
51-4194	Tool Grinders/Filers/Sharpeners	70	60	-10	-14.29%	<5	<5	<5	Moderate-term on-the-job training	\$44,236	\$18.37 - 25.26
51-4199	Metal Wrks/Plastic Wrks/All Other	220	220	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,756	\$10.5 - 16.07
51-5011	Bindery Wrks	230	240	10	4.35%	<5	10	10	Moderate-term on-the-job training	\$21,739	\$7.88 - 11.74
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-5021	Job Printers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$33,668	\$12.21 - 20.63
51-5022	Prepress Techs/Wrks	130	130	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$29,289	\$10.3 - 16.68
51-5023	Printing Machn Ops	330	340	10	3.03%	<5	10	10	Moderate-term on-the-job training	\$29,692	\$10.99 - 16.72
51-5099 ⁽⁷⁾	Printing Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6011	Laundry/Dry-Cleaning Wrks	250	250	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$17,787	\$7.07 - 9.86
51-6021	Pressers/Textile/Garment/Rel Mtrls	100	90	-10	-10.00%	<5	<5	<5	Short-term on-the-job training	\$20,244	\$7.69 - 11.38
51-6031	Sewing Machine Ops	290	280	-10	-3.45%	<5	<5	<5	Moderate-term on-the-job training	\$19,696	\$7.91 - 11.09
51-6041	Shoe/Leather Wrks/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6051	Sewers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-6052	Tailors/Dressmakrs/Custom Sewrs	60	60	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$18,618	\$7.9 - 10.32
51-6061	Textile Bleach/Dye Mchn Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6062	Textile Cuttng Mchn Set/Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6091	Extr/Form Set/Op/Tnd/Syn/Glss Fibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-6092	Fabric/Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6093	Upholsterers	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$49,934	\$10.43 - 21.63
51-6099	Textile/Apparel/Furnishng Wrkrs/AO	20	10	-10	-50.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,629	\$12 - 16.33
51-7011	Cabinetmakers/Bench Carpenters	130	120	-10	-7.69%	<5	<5	<5	Long-term on-the-job training	\$32,804	\$12.54 - 19.03
51-7021	Furniture Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-7031	Model Makers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-7041	Saw Machn Set/Op/Tendrs/Wood	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,877	\$10.09 - 13.29
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-7099	WoodWrkrs/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-8010 ⁽⁸⁾	Pwr Plnt Oprs/Distributrs/Dispatchers	70	70	0	0.00%	<5	<5	<5		*	*
51-8011 ⁽⁸⁾	Nuclear Power Reactor Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*
51-8012 ⁽⁸⁾	Power Distributors and Dispatchers	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*
51-8013 ⁽⁸⁾	Power Plant Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	\$38,868	\$15.42 - 21.65
51-8021	Stationary Engineers/Boiler Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-8031	Watr/Lqd Waste Trtmnt Plant/Sys Op	100	100	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$39,955	\$17.79 - 21.31
51-8091	Chemical Plant/System Oprs	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,027	\$13.39 - 17.19
51-8092	Gas Plant Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-8099	Plant/System Oprs/All Other	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,173	\$12.88 - 18.2
51-9011	Chemical Equipment Oprs/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9012	Sep/Filtr/Clarify/Prec/Still Set/Op/Tnd	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,347	\$14.41 - 19.97
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,945	\$11.62 - 14.06
51-9022	Grinding/Polishing Wrkrs/Hand	130	130	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,088	\$10.84 - 17.85
51-9023	Mix/Blend Machn Settrs/Oprs/Tendrs	290	290	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$29,305	\$10.71 - 17.36
51-9031	Cutters/Trimmers/Hand	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,901	\$10.02 - 12.91
51-9032	Cut/Slice Machn Settrs/Oprs/Tendrs	160	160	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,067	\$10.6 - 13.26
51-9041	Extr/Form/Press/Compct Set/Op/Tnd	290	300	10	3.45%	<5	10	10	Moderate-term on-the-job training	\$31,868	\$12.57 - 17.54
51-9051	Furnce/Kln/Ov/Drier/Kettle Op/Tndrs	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,002	\$11.81 - 14.18
51-9061	Inspect/Test/Sort/Sample/Weighers	940	970	30	3.19%	10	20	30	Moderate-term on-the-job training	\$30,915	\$11.42 - 17.24
51-9071	Jewel/Precious Stone/Metal Wrkrs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
51-9081	Dental Lab Techs	90	80	-10	-11.11%	<5	<5	<5	Long-term on-the-job training	\$30,903	\$10.06 - 17.17
51-9082	Medical Appliance Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-9083	Ophthalmic Lab Techs	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$20,676	\$8.31 - 11.55
51-9111	Packagng/Filling Machn Oprs/Tendrs	1,690	1,740	50	2.96%	20	30	50	Short-term on-the-job training	\$26,620	\$10.16 - 15.98
51-9121	Coat/Paint/Spray Mchn Set/Op/Tndrs	360	370	10	2.78%	<5	10	10	Moderate-term on-the-job training	\$24,549	\$9.74 - 13.45
51-9122	Painters/Trans Equipment	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,649	\$13.67 - 18.63
51-9123	Painting/Coating/Decorating Wrkrs	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,586	\$8.65 - 12.61

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SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-9131	Photographic Process Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9132	Photographic Processng Mchn Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-9141 ⁽⁸⁾	Semiconductor Processors	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Associate degree	*	*
51-9191	Cementng/Glung Mchn Oprs/Tendr	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,823	\$10.07 - 14.92
51-9192	Cln/Wash/Mtl Picking Eqp Ops/Tndrs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,580	\$12.23 - 16.51
51-9193	Coolng/Freezng Eqpmnt Ops/Tendr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9194	Etchers/Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-9195	Moldrs/Shaprs/Castrs/Ex Mtl/Plastic	60	50	-10	-16.67%	<5	<5	<5	Moderate-term on-the-job training	\$25,625	\$9.97 - 14.99
51-9196	Paper Gds Machn Settrs/Oprs/Tndrs	200	210	10	5.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,221	\$8.94 - 18.46
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9198	Helpers--Production Wrks	1,780	1,810	30	1.69%	10	50	60	Short-term on-the-job training	\$26,448	\$12.21 - 14.46
51-9199 ⁽⁸⁾	Production Workers, All Other	*	*	*	*	10	20	30	Moderate-term on-the-job training	*	*
53-0000	Trans/Material Moving Occupations	12,620	12,830	210	1.66%	110	280	390		\$26,613	\$9.1 - 15.56
53-1011	Aircraft Cargo Handling Supvsrs	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$63,243	\$24.51 - 37.22
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	220	230	10	4.55%	<5	10	10	Work experience in a related occupation	\$42,846	\$16.11 - 24.93
53-1031	F-L Sups/Mgrs Trans/Matrl-Mov Oprs	270	270	0	0.00%	<5	10	10	Work experience in a related occupation	\$44,828	\$16.34 - 25.34
53-2011	Airline Pilots/Copilots/Flight Engrs	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
53-2012	Commercial Pilots	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$51,748	
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
53-2022 ⁽⁸⁾	Airfield Operations Specialists	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*
53-3011	Ambulance Drivers/Atts/Ex EMTs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-3021	Bus Drivers/Transit/Intercity	200	210	10	5.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,971	\$15.37 - 19.86
53-3022	Bus Drivers/School	820	850	30	3.66%	20	20	40	Short-term on-the-job training	\$24,964	\$10.23 - 13.83
53-3031	Driver/Sales Wrks	420	420	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,882	\$6.62 - 14.64
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,220	2,270	50	2.25%	20	30	50	Moderate-term on-the-job training	\$36,044	\$14.01 - 20.62
53-3033	Truck Drivers/Light or Delivery Svcs	1,230	1,260	30	2.44%	20	10	30	Short-term on-the-job training	\$27,222	\$9.38 - 15.74
53-3041	Taxi Drivers/Chauffeurs	180	190	10	5.56%	<5	<5	<5	Short-term on-the-job training	\$22,367	\$9.06 - 10.96
53-3099	Motor Vehicle Oprs/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-5011	Sailors/Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-5021	Cptns/Mates/Pilots of Watr Vessels	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-5022	Motorboat Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-6011 ⁽⁸⁾	Bridge/Lock Tendrs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	*
53-6021	Parking Lot Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-6031	Service Station Attendants	110	110	0	0.00%	<5	10	10	Short-term on-the-job training	\$18,306	\$7.08 - 10.35
53-6041 ⁽⁸⁾	Traffic Technicians	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	*
53-6051	Trans Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-6099 ⁽⁸⁾	Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*

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53-7011	Conveyor Oprs/Tendr	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7021	Crane/Tower Oprs	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$38,151	\$10.46 - 29.27
53-7031	Dredge Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7032	Excvtng/Loadng Mchn/Dragline Oprs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$41,016	\$13.69 - 22.21
53-7033	Loadng Mchn Oprs/Undrgrnd Minng	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7041	Hoist/Winch Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7051	Industrial Truck/Tractor Oprs	1,250	1,270	20	1.60%	10	20	30	Short-term on-the-job training	\$26,746	\$11.05 - 14.65
53-7061	Cleaners of Vehicles/Equipment	450	450	0	0.00%	<5	20	20	Short-term on-the-job training	\$18,603	\$7.45 - 10.3
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	2,670	2,670	0	0.00%	<5	100	100	Short-term on-the-job training	\$23,417	\$8.8 - 13.12
53-7063	Machn Feeders/Offbearers	280	290	10	3.57%	<5	10	10	Short-term on-the-job training	\$23,432	\$9.47 - 12.91
53-7064	Packers/Packagers/Hand	1,680	1,720	40	2.38%	20	30	50	Short-term on-the-job training	\$20,574	\$7.79 - 11.43
53-7071	Gas Compressor/Gas Station Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7072	Pump Oprs/Ex Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7081	Refuse/Recyclable Mtrl Collectors	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,827	\$13.77 - 17.64
53-7199	Material Moving Wrksr/All Other	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,493	\$9.99 - 19.38

Occupational Projections for Southeast Wisconsin Workforce Development Area, 2003-2005

Notes:

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force.
Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver.
Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total** openings are the sum of new jobs and replacements.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation.
There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation.
In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Hourly Wage Rate - Middle Range:** The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation.
Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
51-9199 includes employment for 51-9141. Education/training and wages are shown individually, if available.
53-6099 includes employment for 53-2022, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common.

* Data is suppressed to preserve the confidentiality of employers

Information is derived using the May 2003 OES Survey, 2003 QCEW and 2003 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2003 to 2005. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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